

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070758.D
 Acq On : 19 Oct 2021 15:02
 Operator : VA/SY
 Sample : M4248-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHVB-0513RE

Quant Time: Oct 20 04:40:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

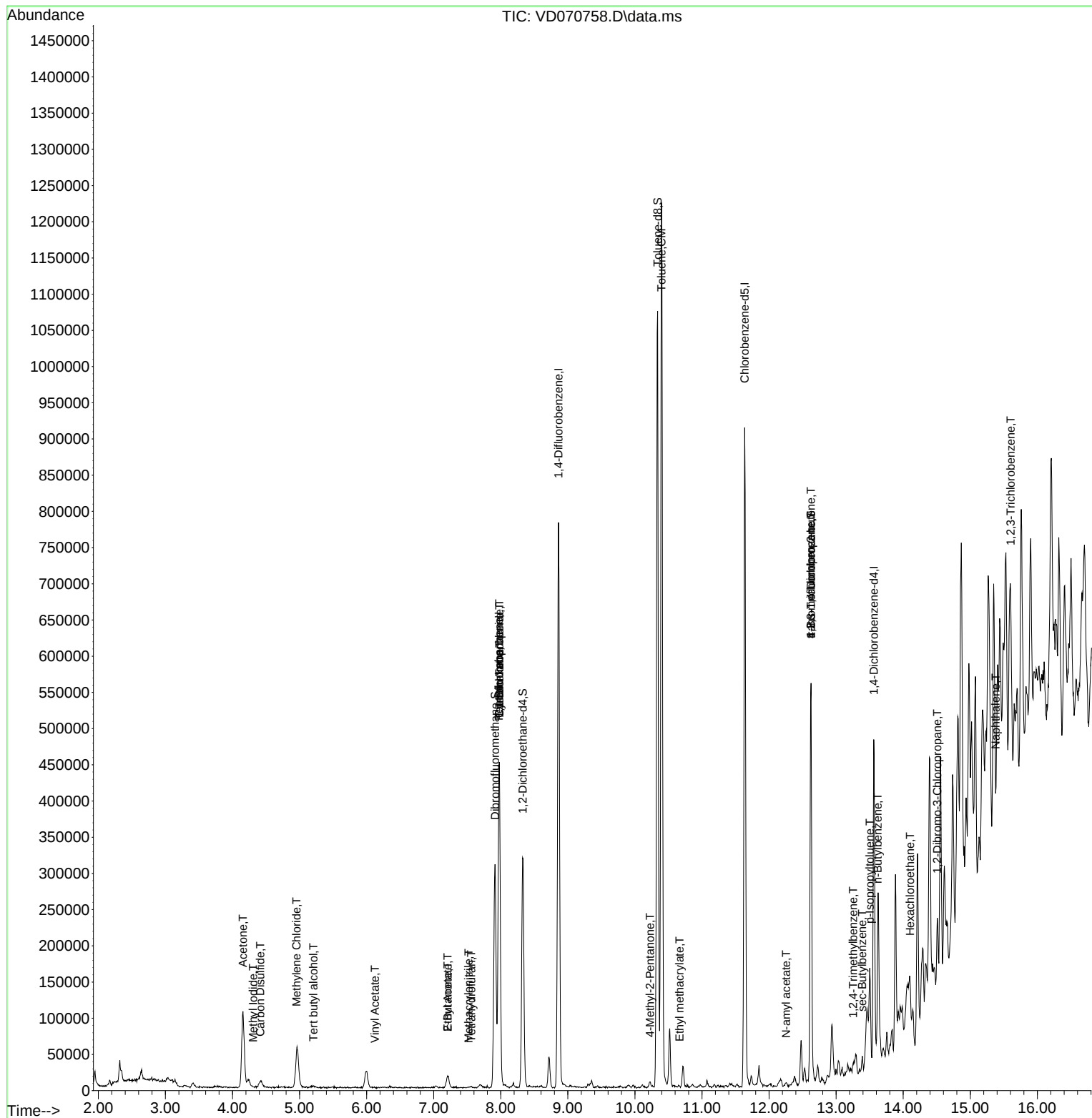
Internal Standards						
1) Pentafluorobenzene	7.973	168	321910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	630602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	513410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	118162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	254857	66.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.680%			
35) Dibromofluoromethane	7.914	113	222393	55.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.160%			
50) Toluene-d8	10.338	98	719461	46.482	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.960%			
62) 4-Bromofluorobenzene	12.626	95	187658	35.210	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.420%			
Target Compounds						Qvalue
10) Methyl Iodide	4.308	142	522	3.441	ug/l #	51
11) Tert butyl alcohol	5.208	59	1880	8.808	ug/l #	92
16) Acetone	4.156	43	183807	199.872	ug/l	96
17) Carbon Disulfide	4.414	76	13839	1.085	ug/l #	88
20) Methylene Chloride	4.955	84	40705	2.628	ug/l #	91
23) Vinyl Acetate	6.126	43	171	16.352	ug/l #	69
25) 2-Butanone	7.208	43	25093	22.087	ug/l #	77
29) Tetrahydrofuran	7.561	42	855	1.229	ug/l #	35
31) Cyclohexane	7.979	56	9421	1.221	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	30606	4.357	ug/l #	51
37) Ethyl Acetate	7.208	43	25093	8.622	ug/l #	65
38) Carbon Tetrachloride	7.979	117	35098	5.216	ug/l #	15
41) Methacrylonitrile	7.520	41	95	1.993	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	5786	1.977	ug/l #	83
52) Toluene	10.396	92	528360	43.864	ug/l	99
56) Ethyl methacrylate	10.667	69	70	4.169	ug/l #	32
74) N-amyl acetate	12.255	43	3039	1.386	ug/l #	58
76) 1,2,3-Trichloropropane	12.626	75	93545	91.633	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	93545	200.703	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.255	105	11206	1.584	ug/l	99
85) sec-Butylbenzene	13.390	105	11980	1.296	ug/l	100
86) p-Isopropyltoluene	13.502	119	68197	9.177	ug/l #	82
89) n-Butylbenzene	13.620	91	7877	1.050	ug/l	79
90) Hexachloroethane	14.102	117	2737	1.707	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.508	75	551	2.074	ug/l #	6
95) Naphthalene	15.378	128	3884	5.711	ug/l #	36
96) 1,2,3-Trichlorobenzene	15.602	180	16141	9.284	ug/l #	18

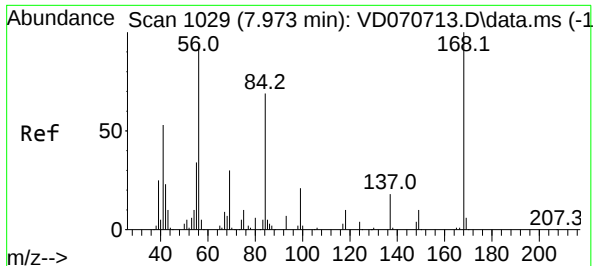
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

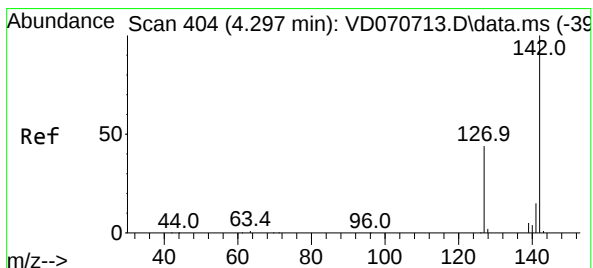
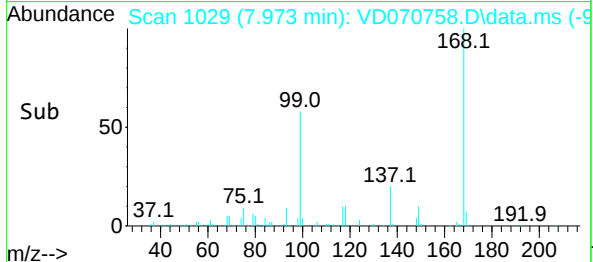
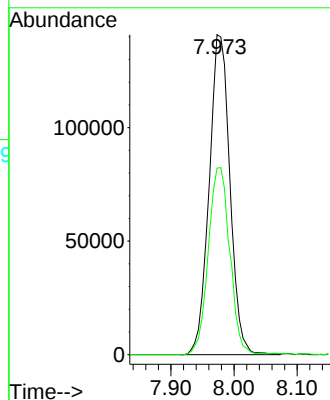
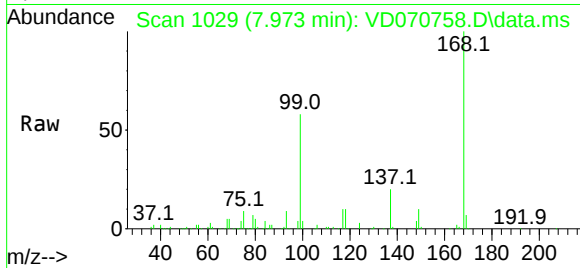




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

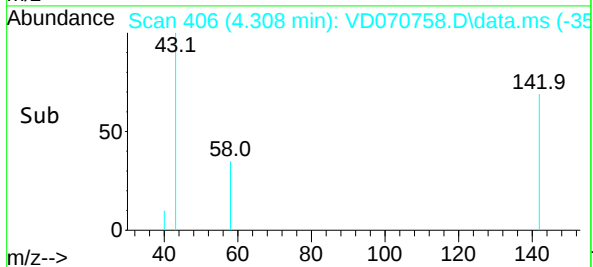
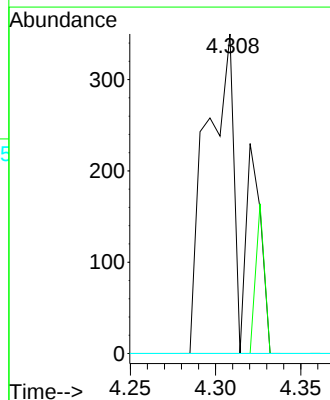
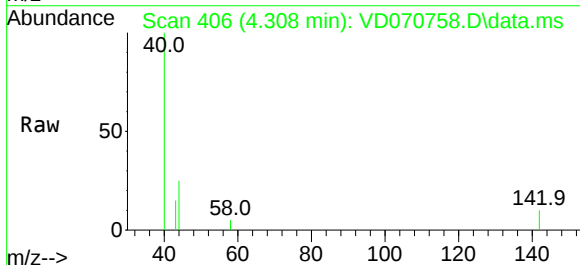
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

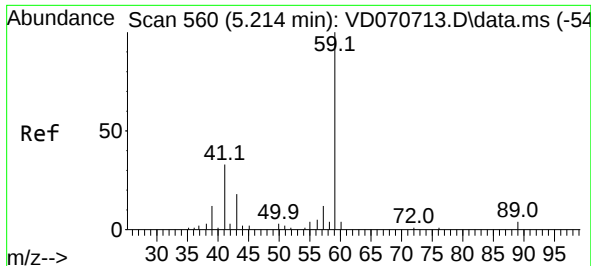
Tgt Ion:168 Resp: 321910
Ion Ratio Lower Upper
168 100
99 58.3 51.4 77.0



#10
Methyl Iodide
Concen: 3.441 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

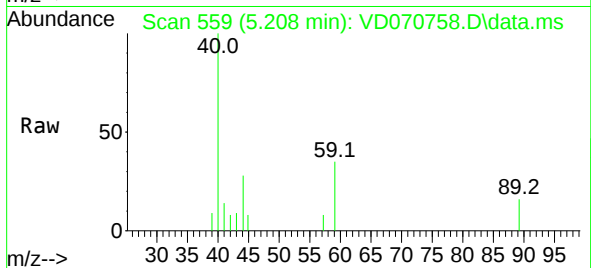
Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 11.1 37.5 56.3#
141 0.0 12.1 18.1#



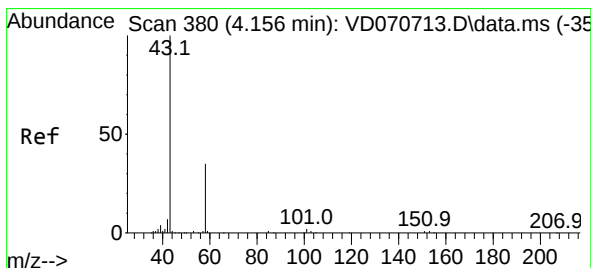
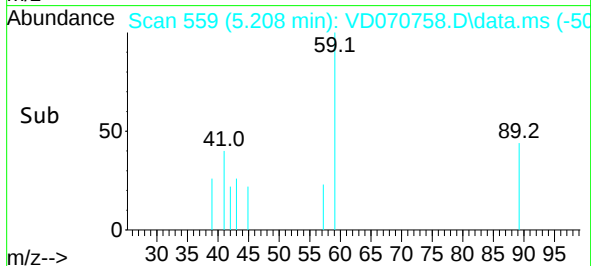
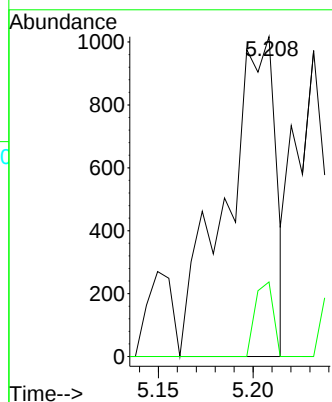


#11
Tert butyl alcohol
Concen: 8.808 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

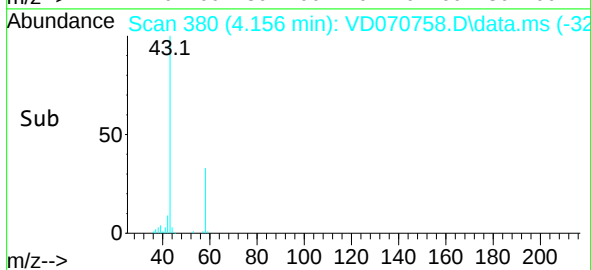
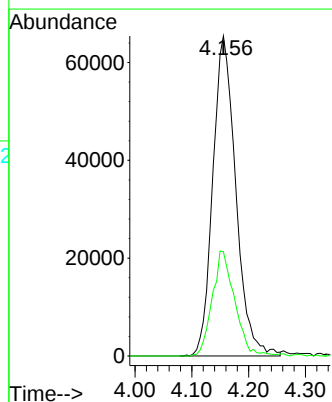
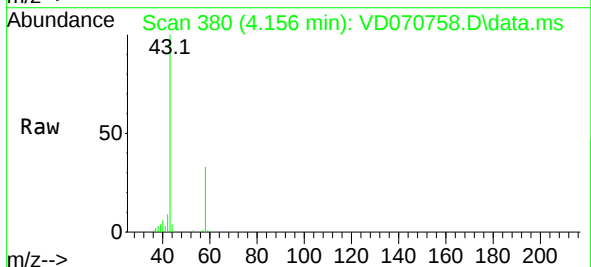


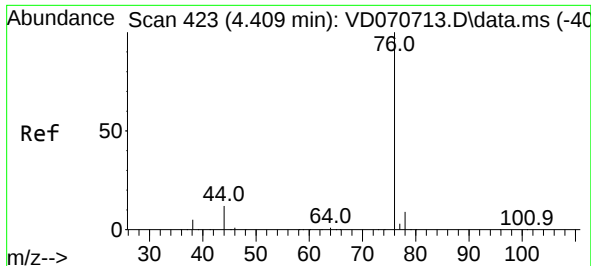
Tgt Ion: 59 Resp: 1880
Ion Ratio Lower Upper
59 100
57 8.4 4.5 6.7#



#16
Acetone
Concen: 199.872 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 43 Resp: 183807
Ion Ratio Lower Upper
43 100
58 32.6 28.2 42.2

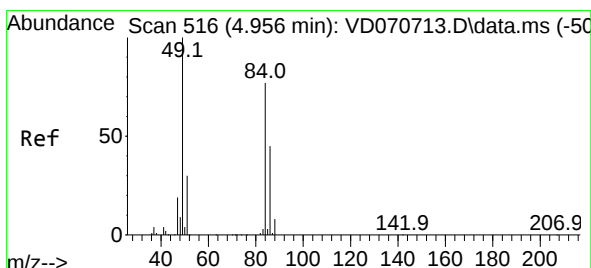
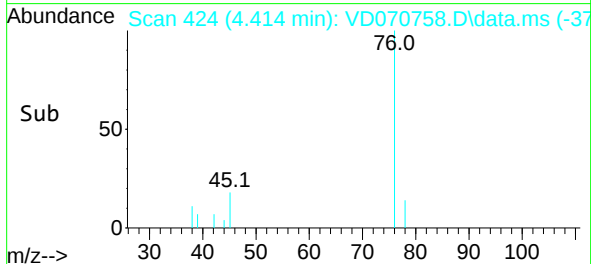
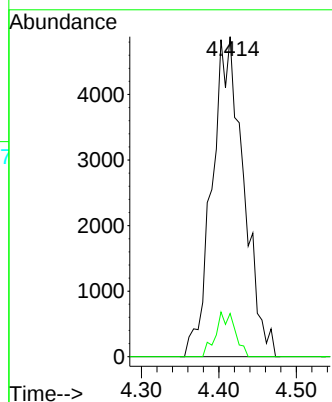
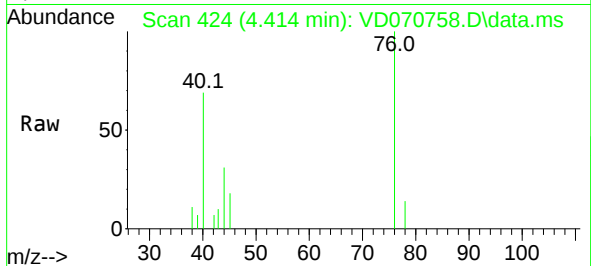




#17
Carbon Disulfide
Concen: 1.085 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

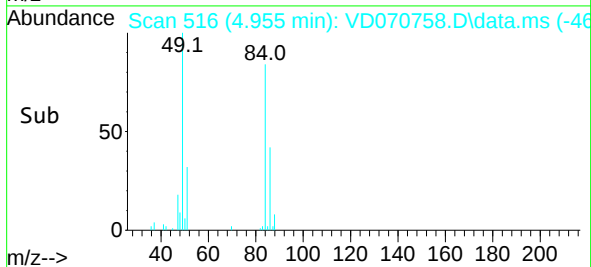
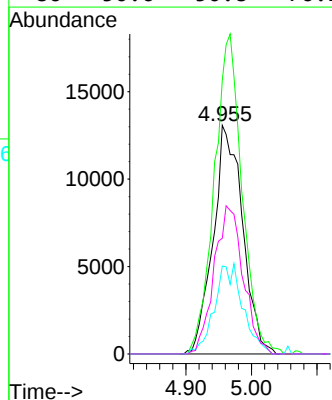
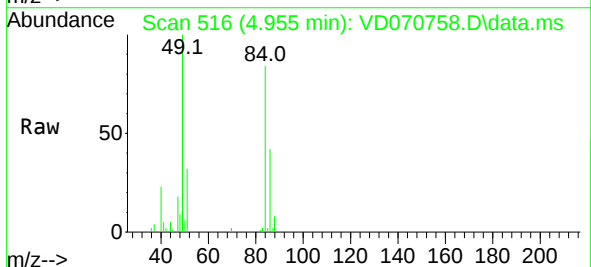
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

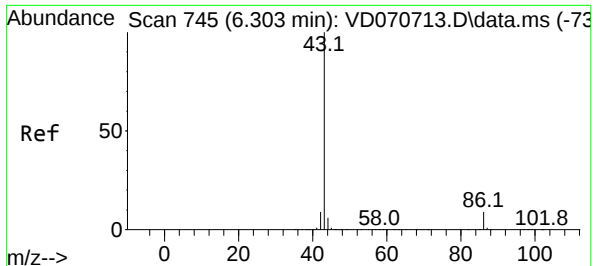
Tgt Ion: 76 Resp: 13839
Ion Ratio Lower Upper
76 100
78 13.5 7.4 11.2#



#20
Methylene Chloride
Concen: 2.628 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.001 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 84 Resp: 40705
Ion Ratio Lower Upper
84 100
49 119.7 91.4 137.2
51 38.4 26.7 40.1
86 50.6 50.8 76.2#

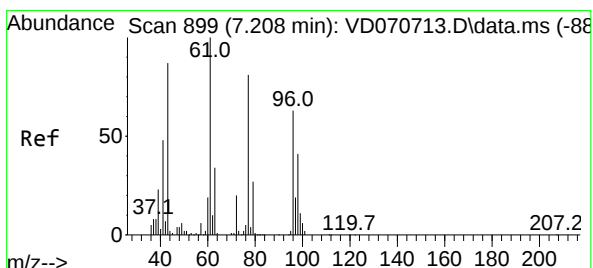
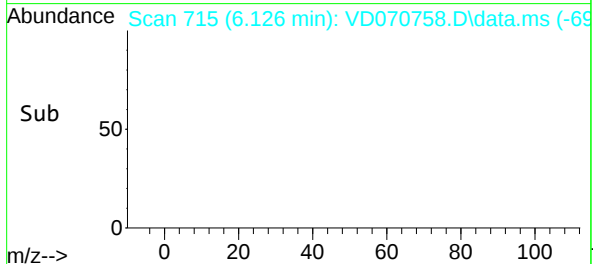
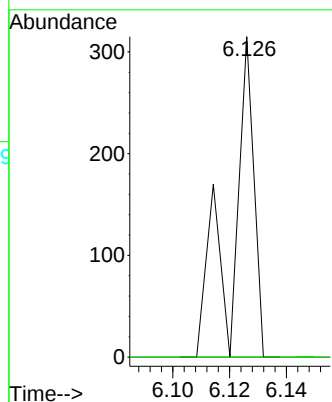
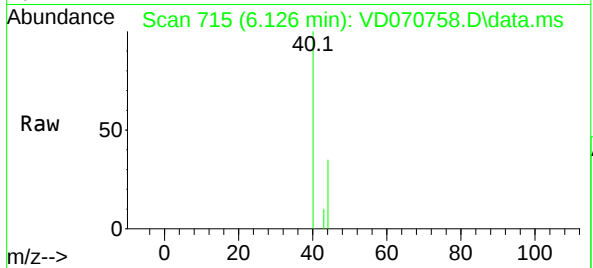




#23
 Vinyl Acetate
 Concen: 16.352 ug/l
 RT: 6.126 min Scan# 715
 Delta R.T. -0.177 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

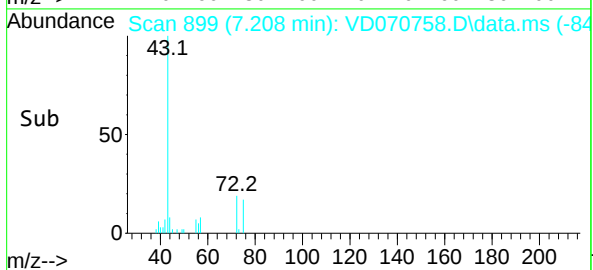
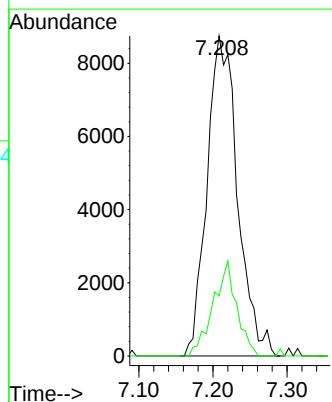
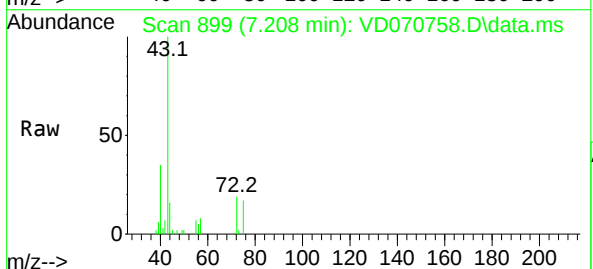
Instrument :
 MSVOA_D
 ClientSampleId :
 CHVB-0513RE

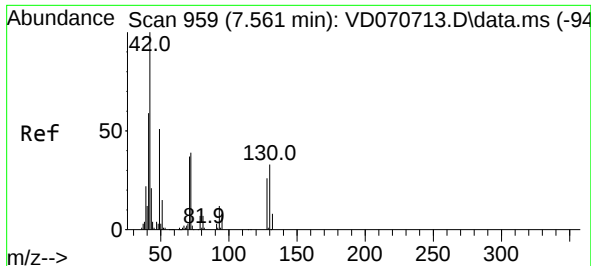
Tgt Ion: 43 Resp: 171
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 22.087 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.000 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

Tgt Ion: 43 Resp: 25093
 Ion Ratio Lower Upper
 43 100
 72 18.8 25.2 37.8#





#29

Tetrahydrofuran

Concen: 1.229 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD070758.D

Acq: 19 Oct 2021 15:02

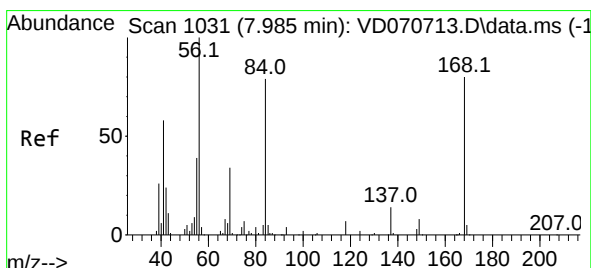
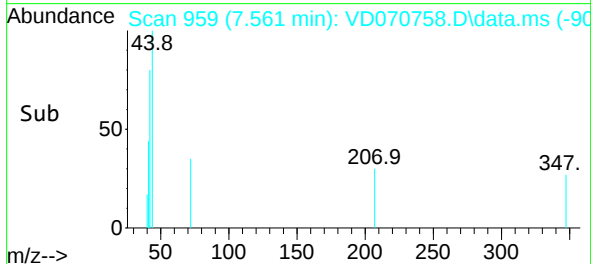
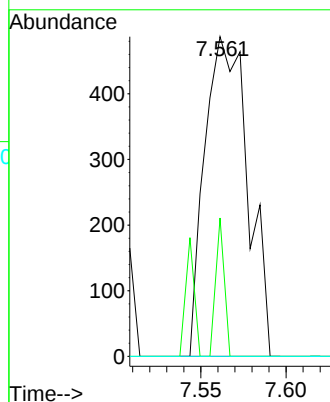
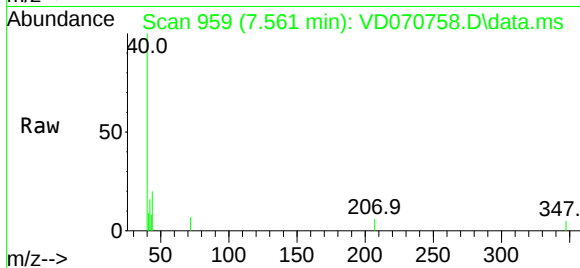
Instrument :

MSVOA_D

ClientSampleId :

CHVB-0513RE

Tgt Ion:	42	Resp:	855
Ion	Ratio	Lower	Upper
42	100		
72	8.7	40.2	60.4#
71	0.0	37.2	55.8#



#31

Cyclohexane

Concen: 1.221 ug/l

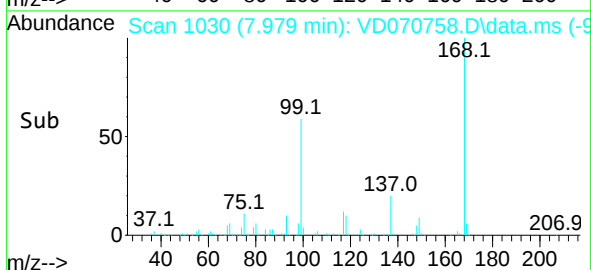
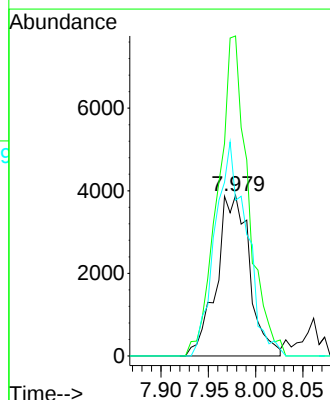
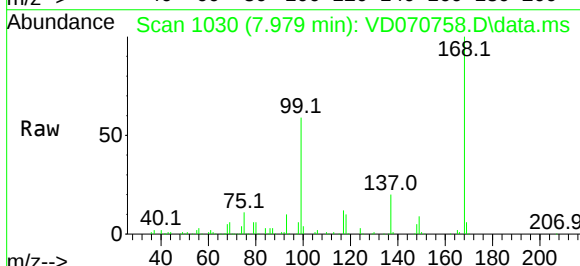
RT: 7.979 min Scan# 1030

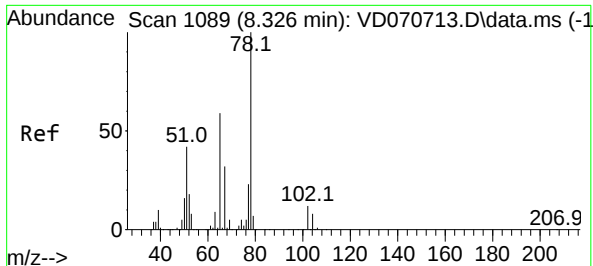
Delta R.T. -0.006 min

Lab File: VD070758.D

Acq: 19 Oct 2021 15:02

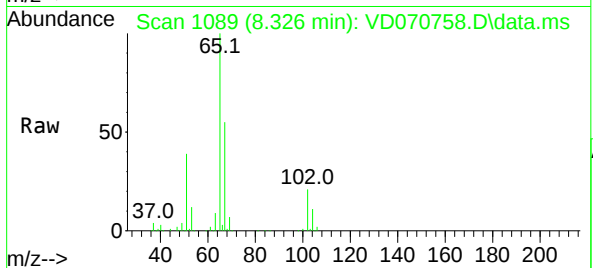
Tgt Ion:	56	Resp:	9421
Ion	Ratio	Lower	Upper
56	100		
69	199.3	27.4	41.2#
84	96.9	73.6	110.4



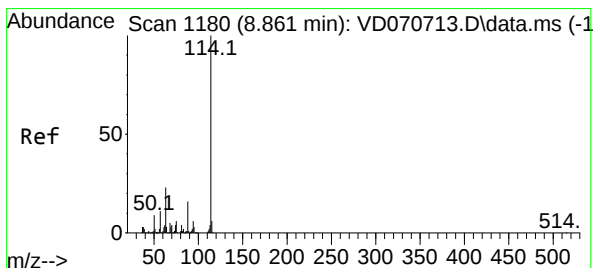
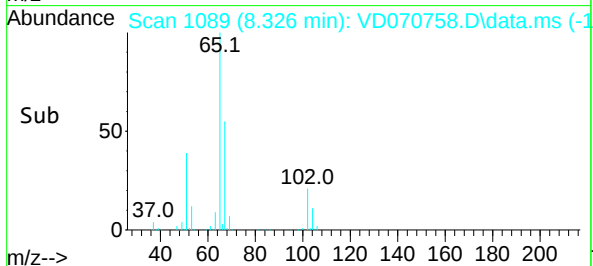
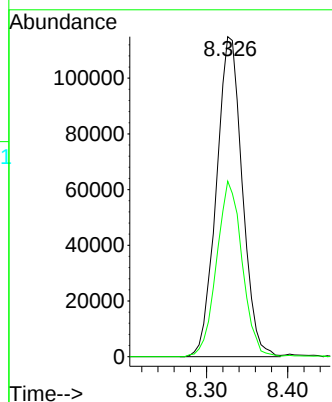


#33
1,2-Dichloroethane-d4
Concen: 66.842 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Instrument :
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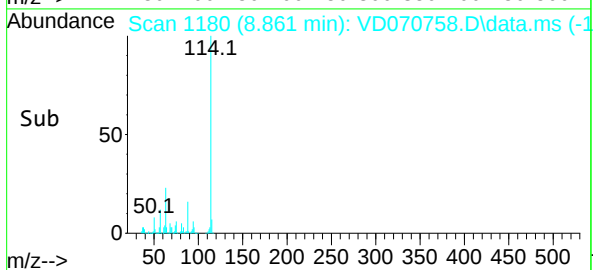
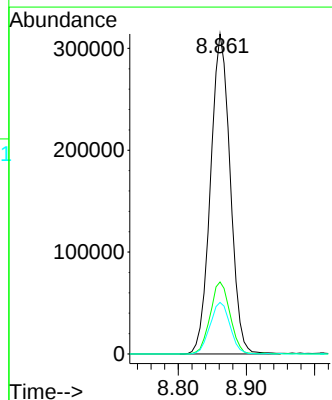
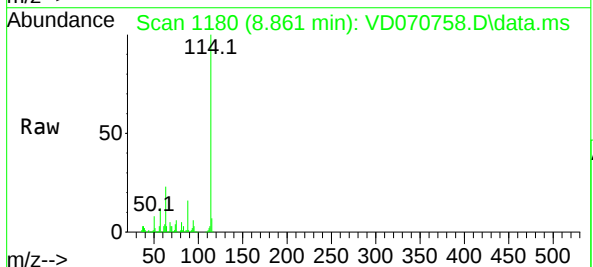


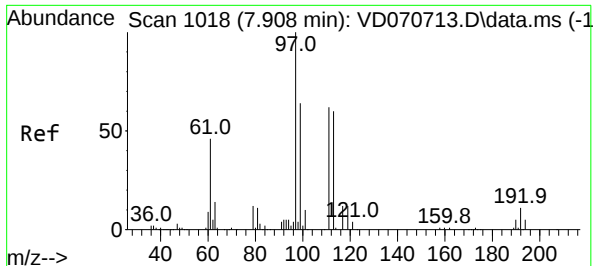
Tgt Ion: 65 Resp: 254857
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 114 Resp: 630602
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.1 0.0 32.6



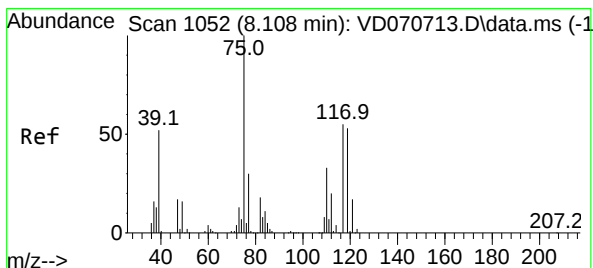
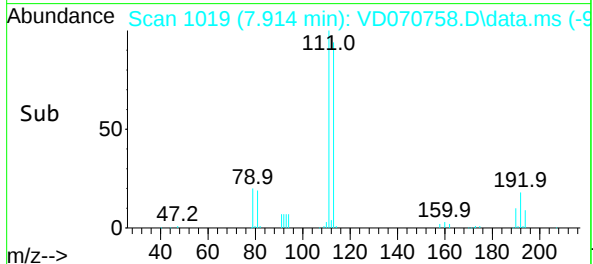
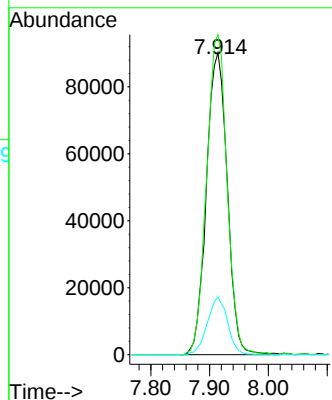
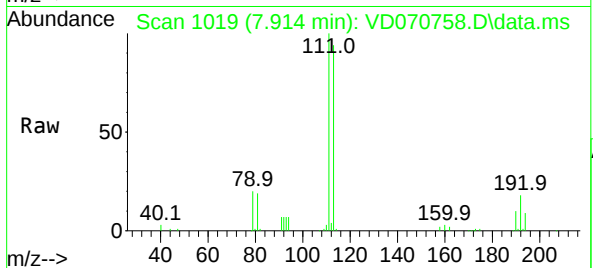


#35

Dibromofluoromethane
Concen: 55.078 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

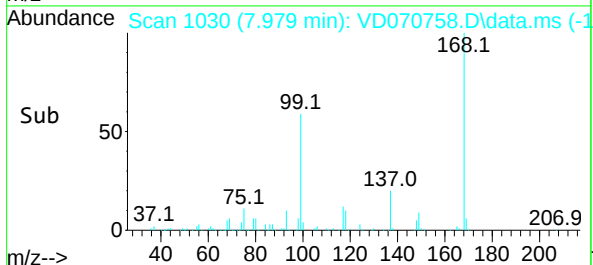
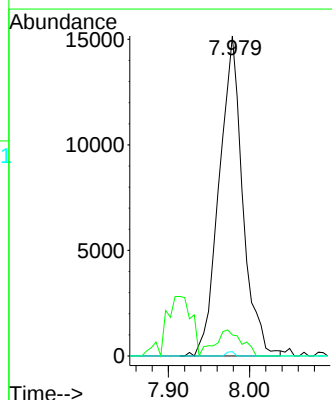
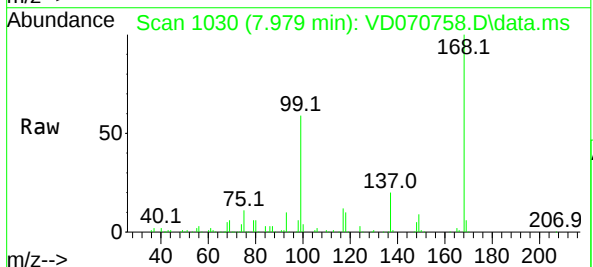
Tgt Ion:113 Resp: 222393
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 18.5 12.7 19.1

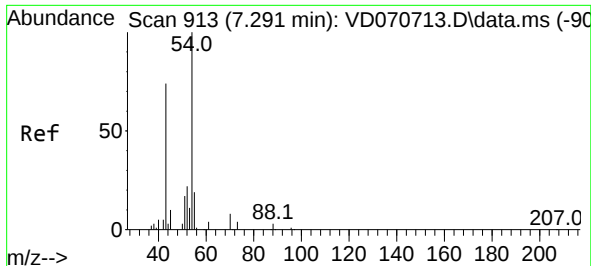


#36

1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 75 Resp: 30606
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.6#
77 0.4 24.2 36.4#





#37

Ethyl Acetate

Concen: 8.622 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070758.D

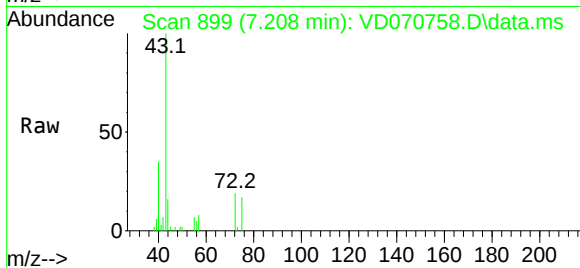
Acq: 19 Oct 2021 15:02

Instrument :

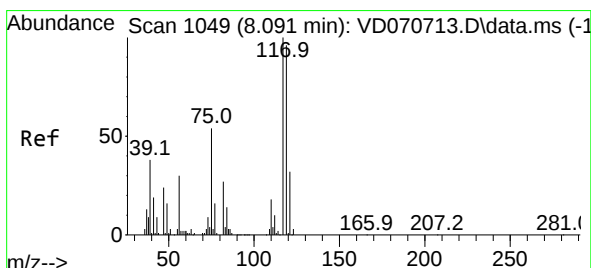
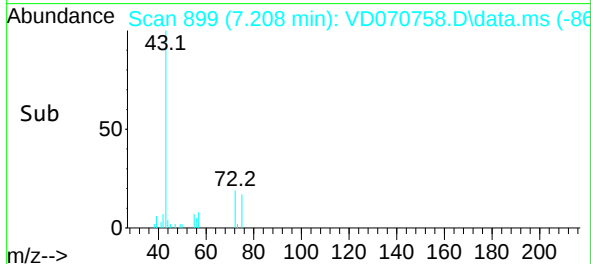
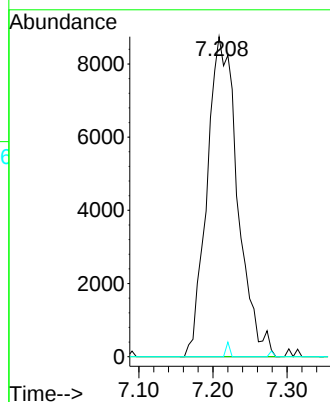
MSVOA_D

ClientSampleId :

CHVB-0513RE



Tgt Ion:	43	Resp:	25093
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.9	19.3#
70	0.6	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

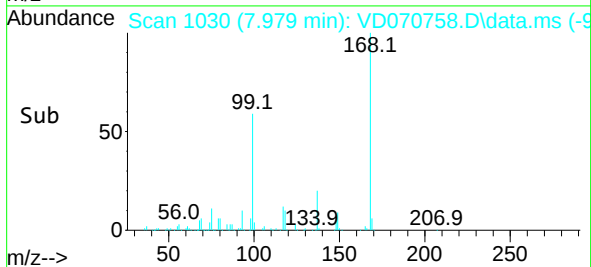
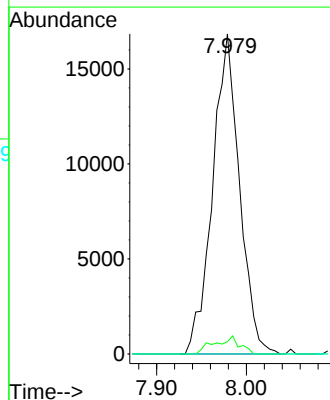
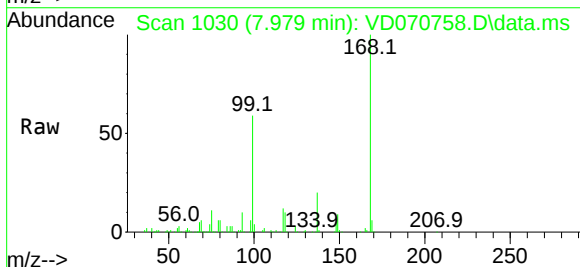
RT: 7.979 min Scan# 1030

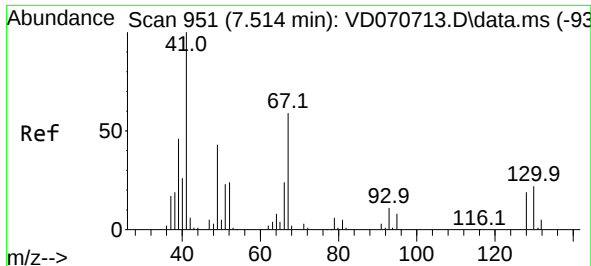
Delta R.T. -0.112 min

Lab File: VD070758.D

Acq: 19 Oct 2021 15:02

Tgt Ion:	117	Resp:	35098
Ion Ratio	Lower	Upper	
117	100		
119	3.8	77.4	116.0#
121	0.0	25.4	38.0#

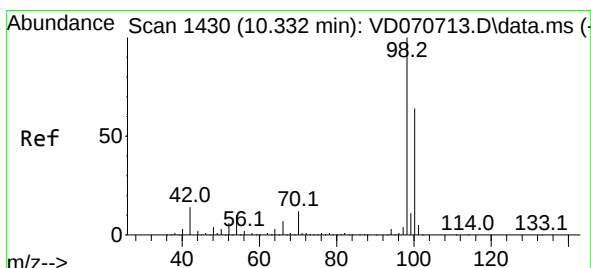
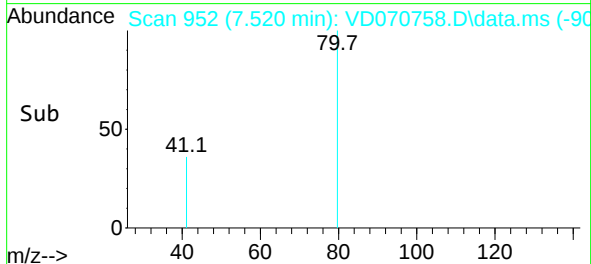
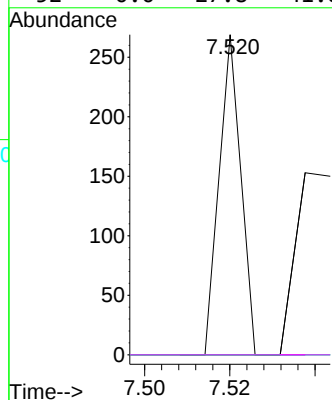
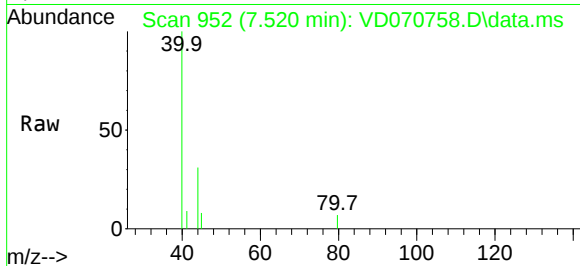




#41
Methacrylonitrile
Concen: 1.993 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

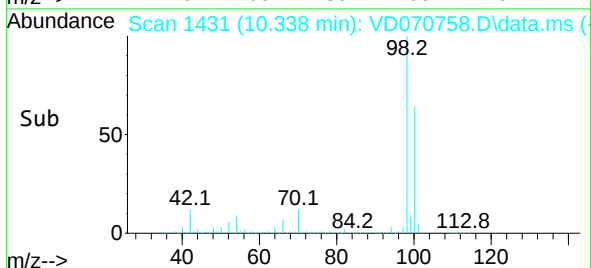
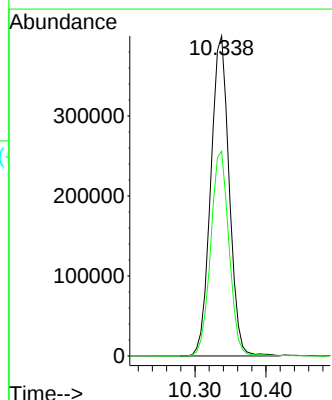
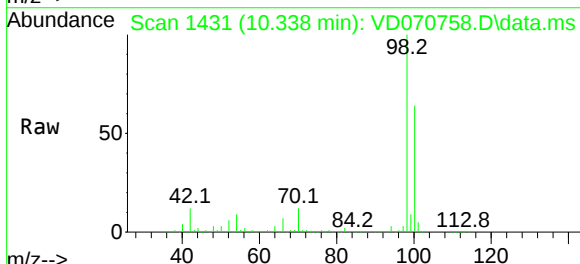
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

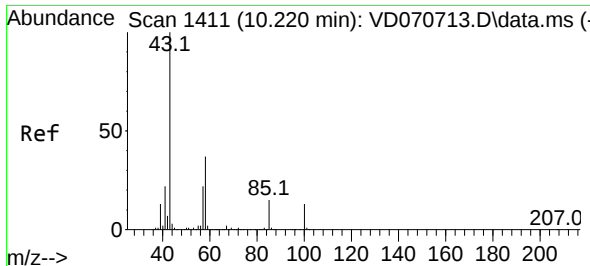
Tgt Ion: 41	Resp: 95
Ion Ratio	Lower Upper
41 100	
39 0.0	45.2 67.8#
67 0.0	75.8 113.6#
52 0.0	27.8 41.8#



#50
Toluene-d8
Concen: 46.482 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 98	Resp: 719461
Ion Ratio	Lower Upper
98 100	
100 63.8	52.2 78.4

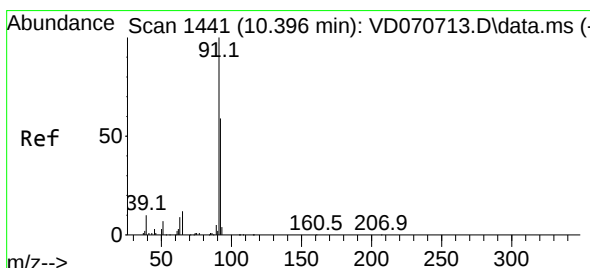
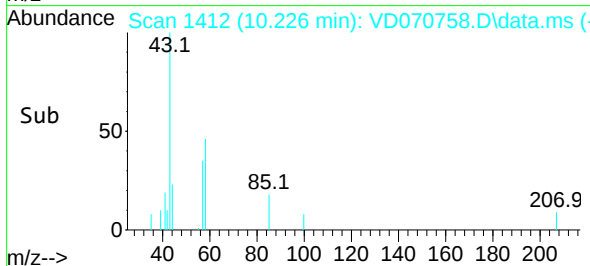
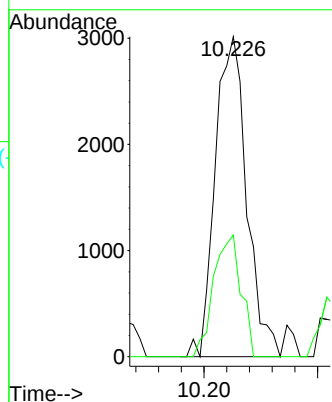
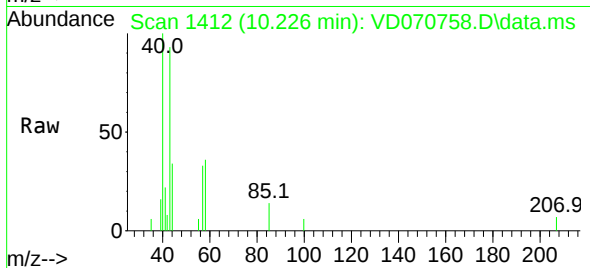




#51
4-Methyl-2-Pentanone
Concen: 1.977 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

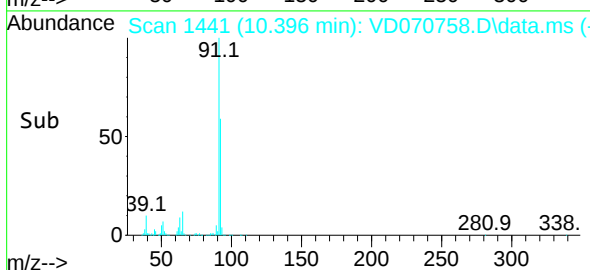
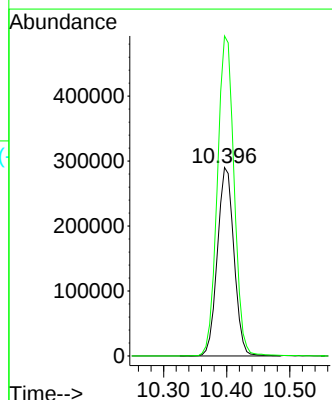
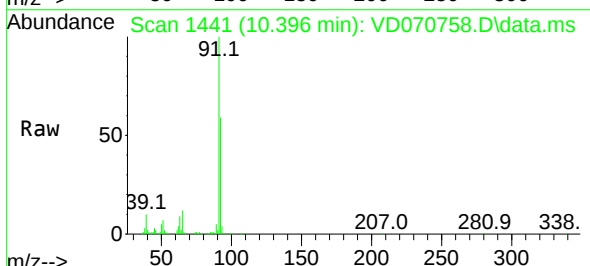
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

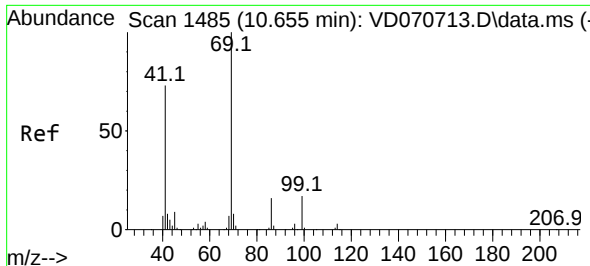
Tgt Ion: 43 Resp: 5786
Ion Ratio Lower Upper
43 100
58 33.1 35.0 52.6#



#52
Toluene
Concen: 43.864 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 92 Resp: 528360
Ion Ratio Lower Upper
92 100
91 172.1 136.3 204.5

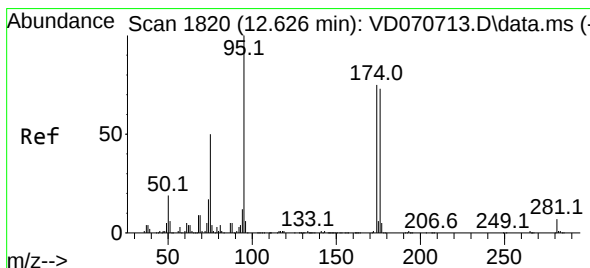
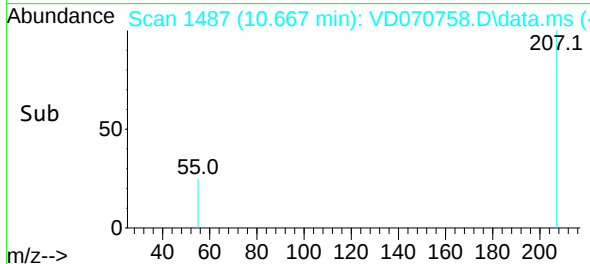
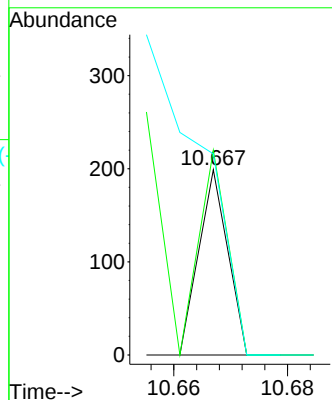
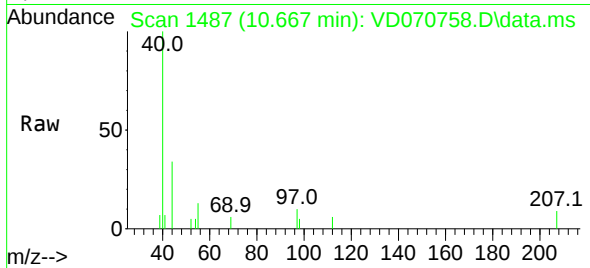




#56
Ethyl methacrylate
Concen: 4.169 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

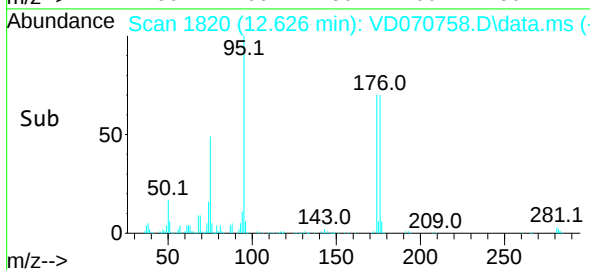
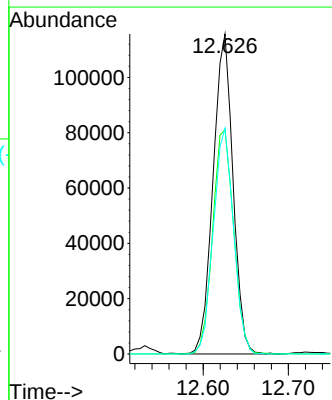
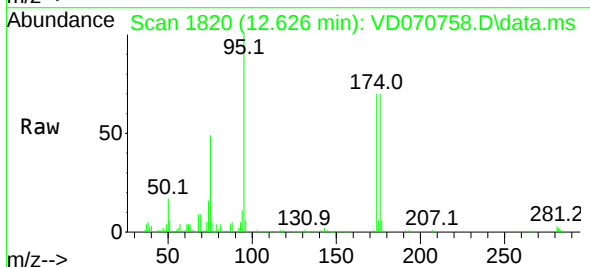
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

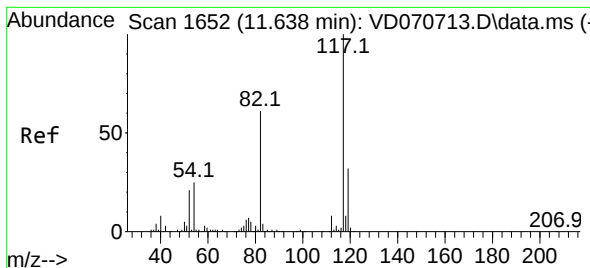
Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 35.210 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

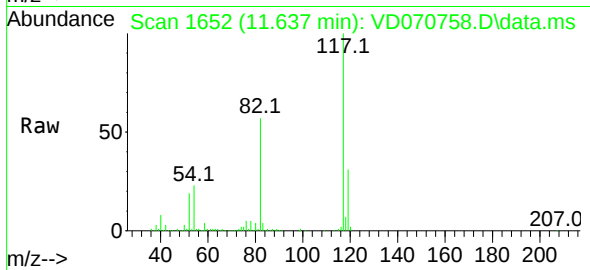
Tgt Ion: 95 Resp: 187658
Ion Ratio Lower Upper
95 100
174 73.8 0.0 138.0
176 71.6 0.0 135.6



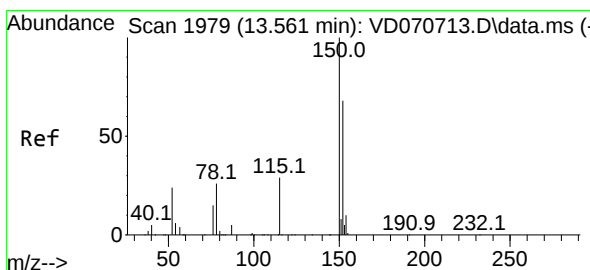
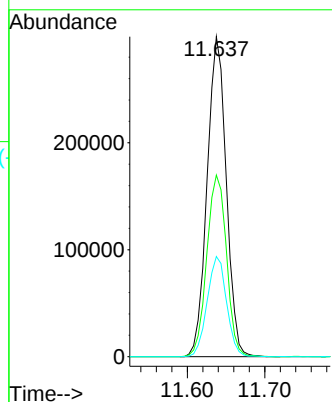
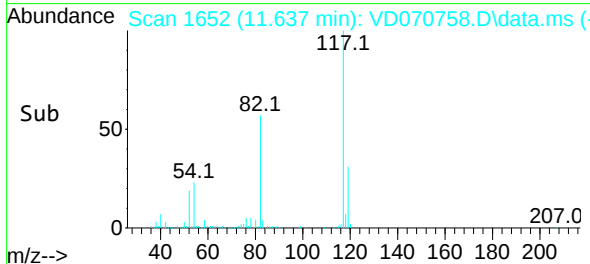


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

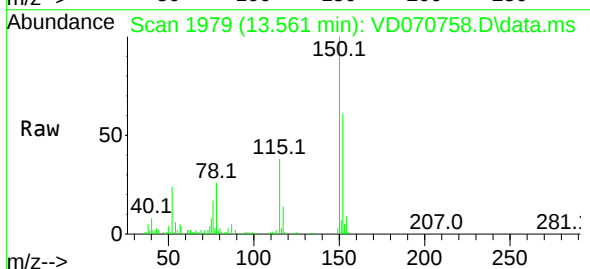
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE



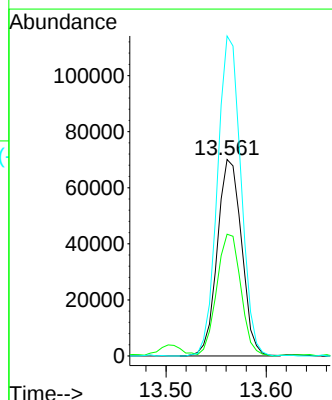
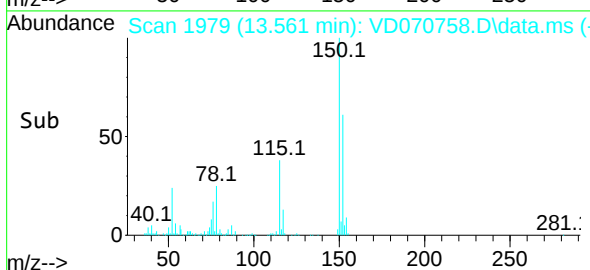
Tgt Ion:117 Resp: 513410
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 31.3 24.7 37.1

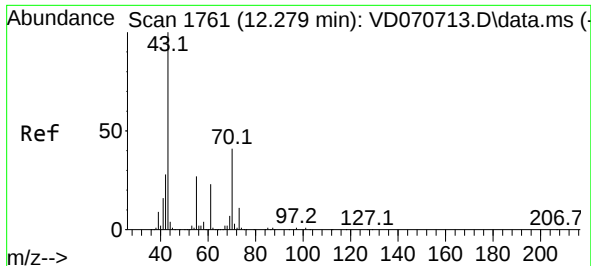


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02



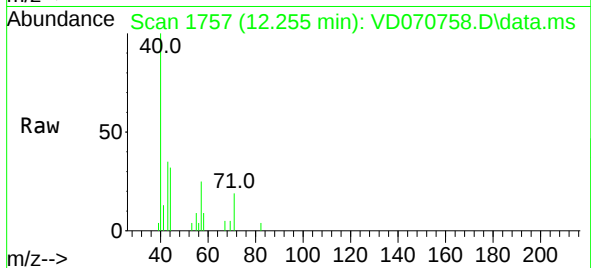
Tgt Ion:152 Resp: 118162
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.7
150 157.4 0.0 350.0



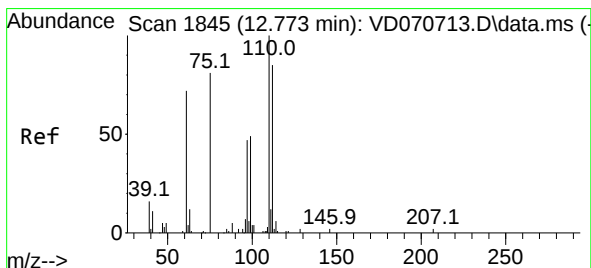
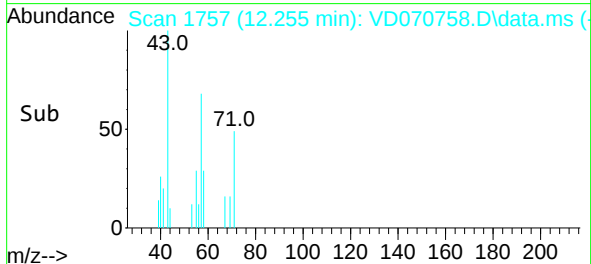
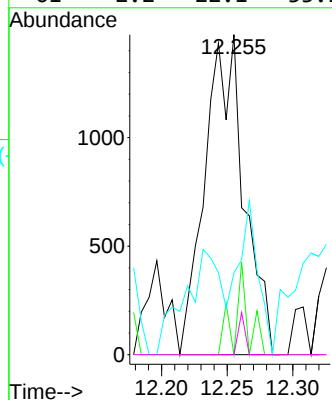


#74
N-amy1 acetate
Concen: 1.386 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

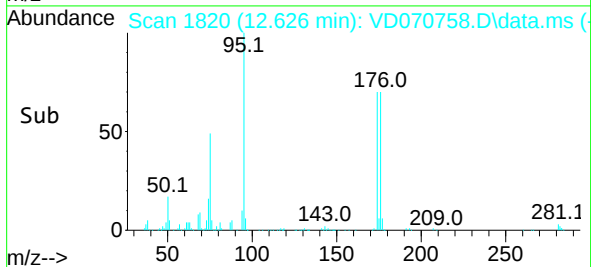
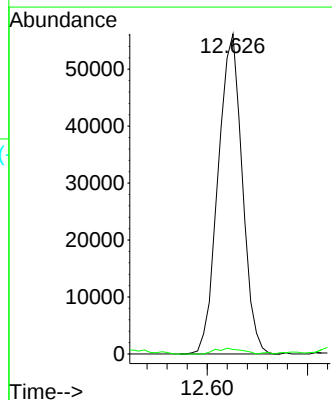
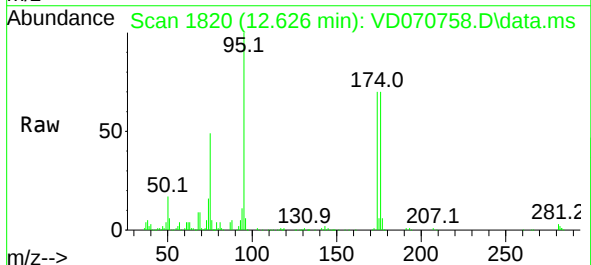


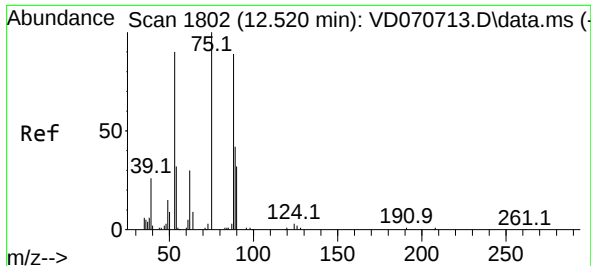
Tgt Ion:	43	Resp:	3039
Ion Ratio	Lower	Upper	
43	100		
70	10.0	40.0	60.0#
55	24.9	23.8	35.6
61	2.2	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 91.633 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion:	75	Resp:	93545
Ion Ratio	Lower	Upper	
75	100		
77	1.9	0.0	0.0#

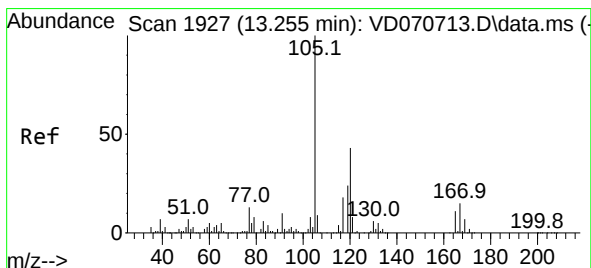
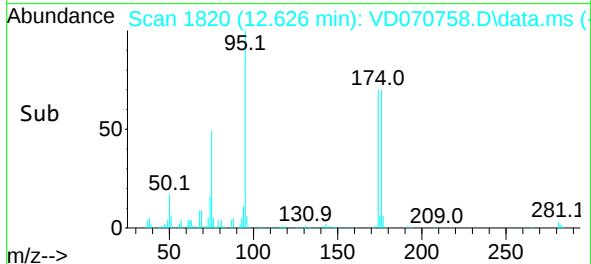
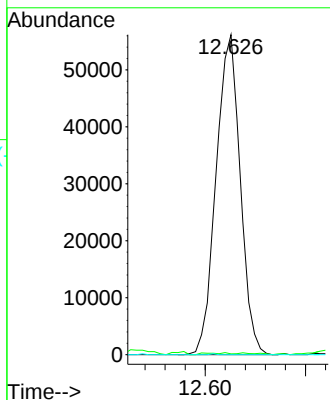
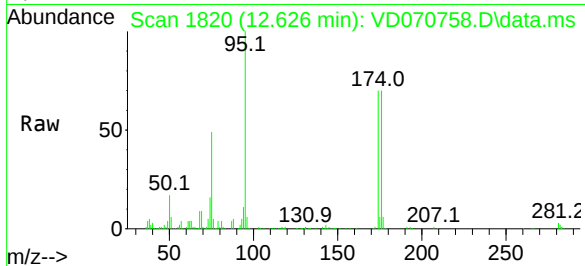




#81
 trans-1,4-Dichloro-2-butene
 Concen: 200.703 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

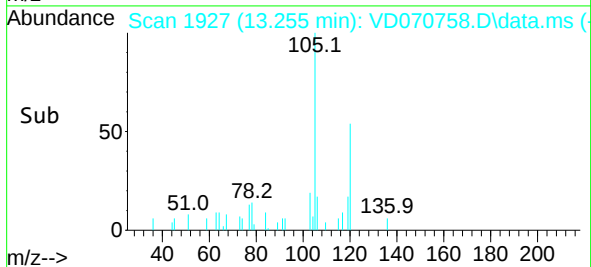
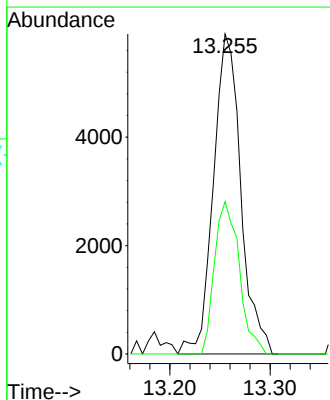
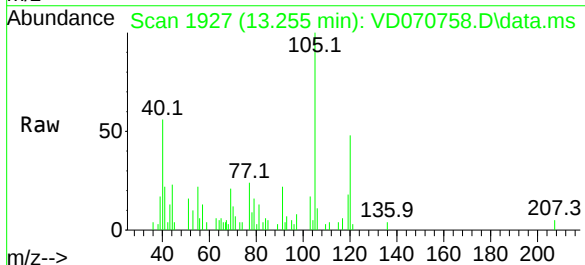
Instrument :
 MSVOA_D
 ClientSampleId :
 CHVB-0513RE

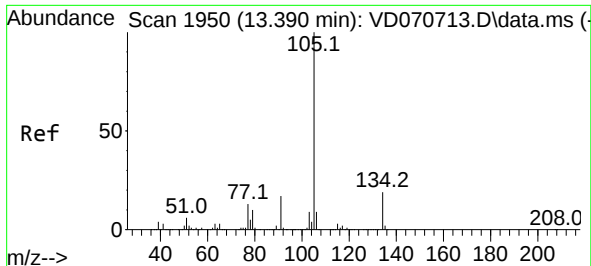
Tgt Ion: 75 Resp: 93545
 Ion Ratio Lower Upper
 75 100
 53 0.4 64.5 96.7#
 89 0.0 35.3 52.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.584 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. -0.000 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

Tgt Ion:105 Resp: 11206
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.9 65.8

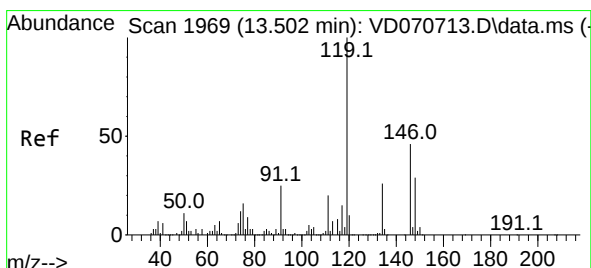
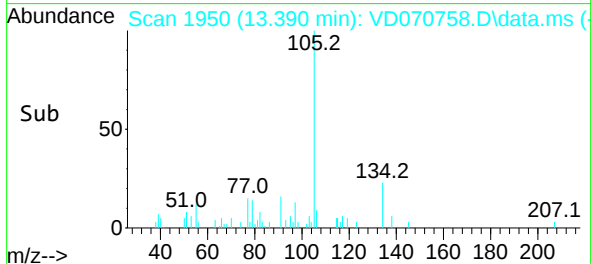
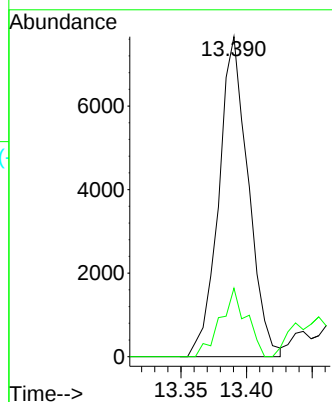
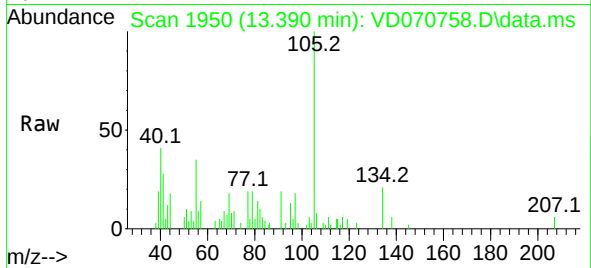




#85
 sec-Butylbenzene
 Concen: 1.296 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

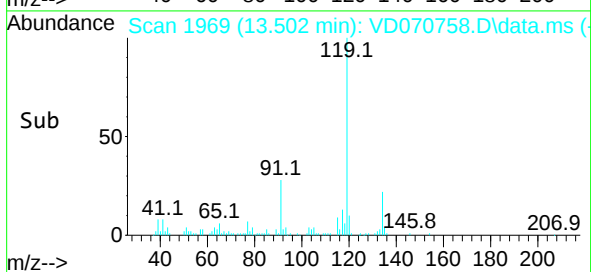
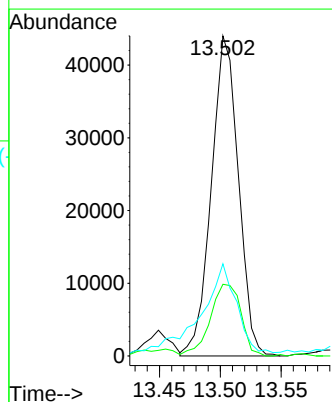
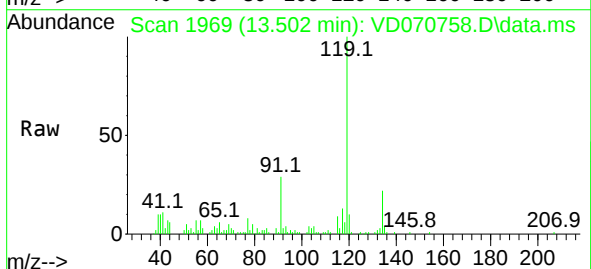
Instrument :
 MSVOA_D
 ClientSampleId :
 CHVB-0513RE

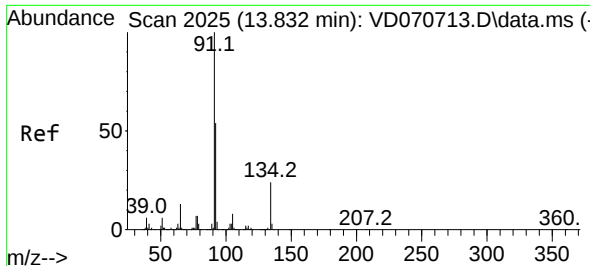
Tgt Ion:105 Resp: 11980
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 9.177 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

Tgt Ion:119 Resp: 68197
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 41.0 11.9 35.5#

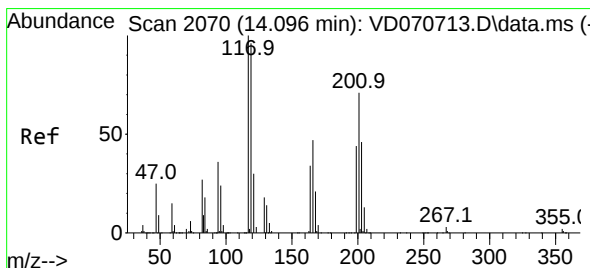
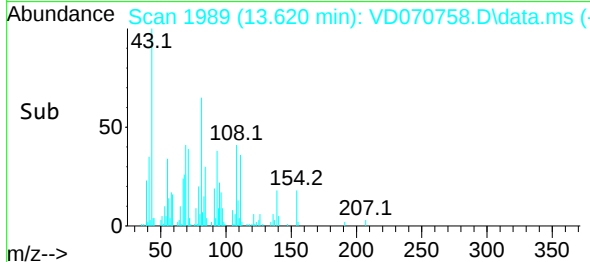
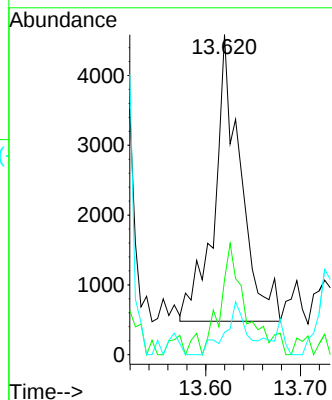
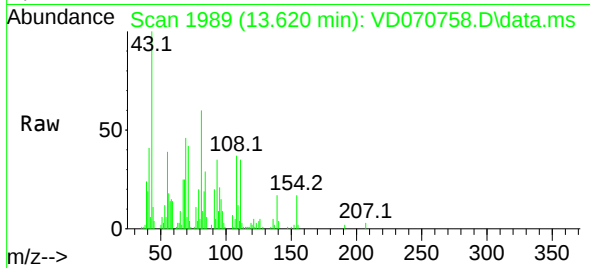




#89
n-Butylbenzene
Concen: 1.050 ug/l
RT: 13.620 min Scan# 1989
Delta R.T. -0.212 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

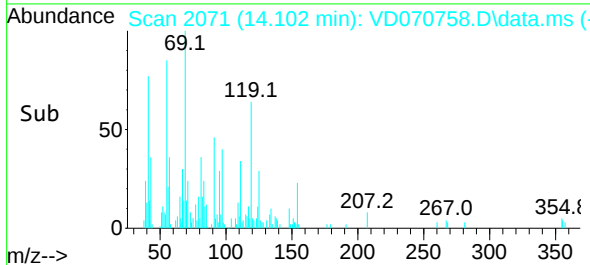
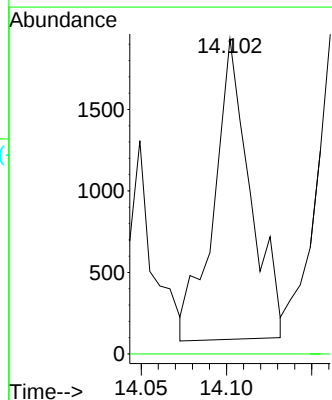
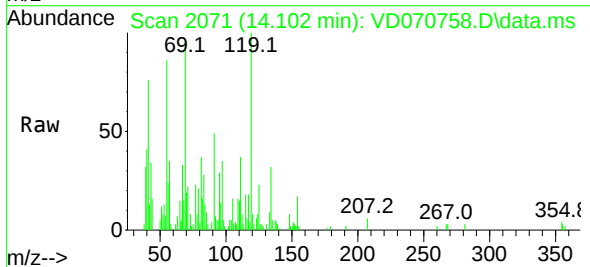
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

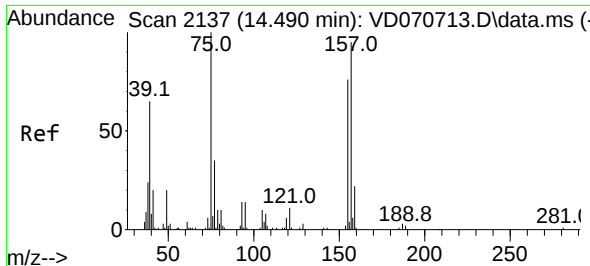
Tgt Ion:	91	Resp:	7877
Ion	Ratio	Lower	Upper
91	100		
92	37.9	26.8	80.4
134	14.7	12.2	36.4



#90
Hexachloroethane
Concen: 1.707 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion:	117	Resp:	2737
Ion	Ratio	Lower	Upper
117	100		
201	0.0	31.9	95.9#

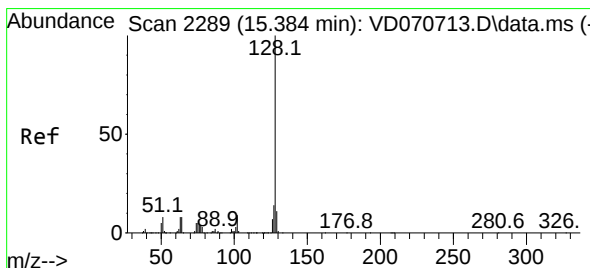
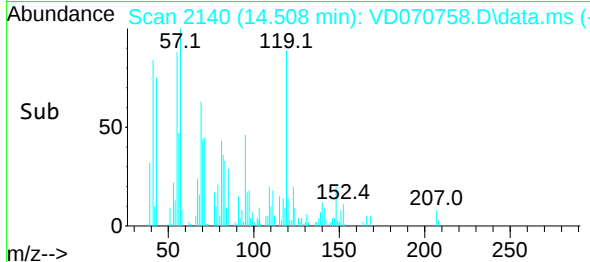
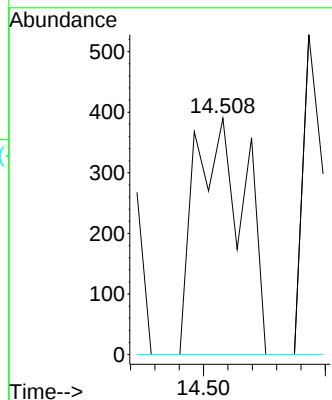
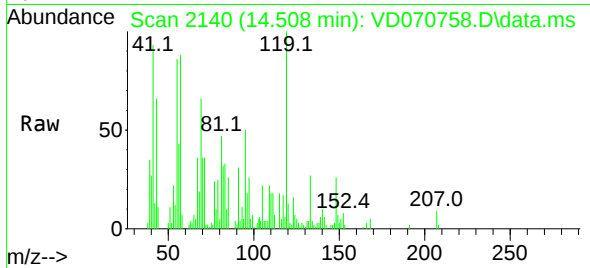




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.074 ug/l
RT: 14.508 min Scan# 2140
Delta R.T. 0.018 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

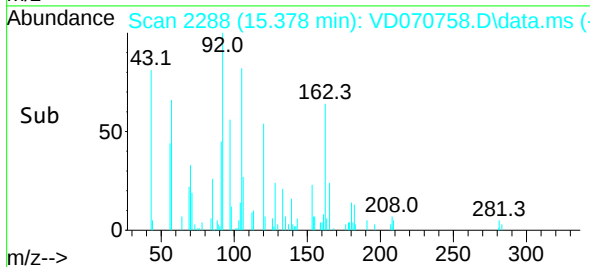
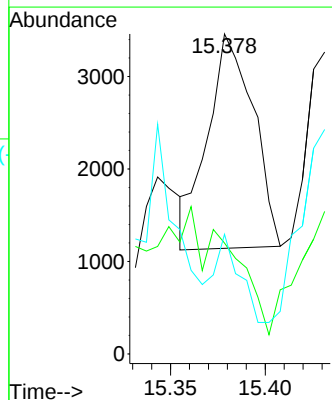
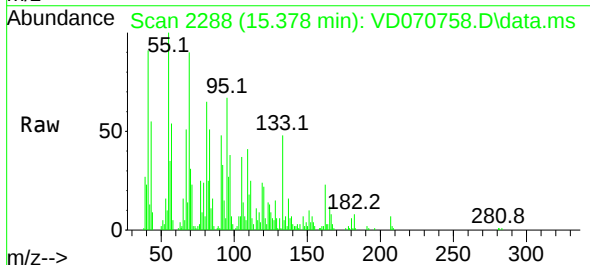
Instrument :
MSVOA_D
ClientSampleId :
CHVB-0513RE

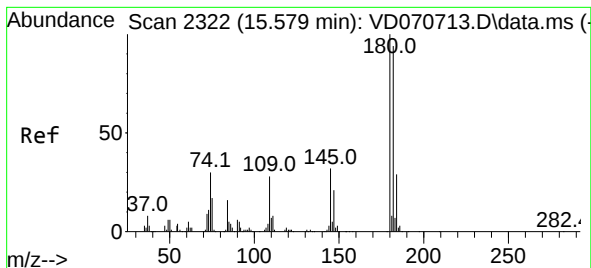
Tgt Ion: 75 Resp: 551
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#



#95
Naphthalene
Concen: 5.711 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070758.D
Acq: 19 Oct 2021 15:02

Tgt Ion: 128 Resp: 3884
Ion Ratio Lower Upper
128 100
127 49.8 10.9 16.3#
129 22.3 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 9.284 ug/l
 RT: 15.602 min Scan# 2326
 Delta R.T. 0.023 min
 Lab File: VD070758.D
 Acq: 19 Oct 2021 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 CHVB-0513RE

Tgt Ion:180 Resp: 16141
 Ion Ratio Lower Upper
 180 100
 182 6.4 46.2 138.5#
 145 0.0 17.1 51.3#

